

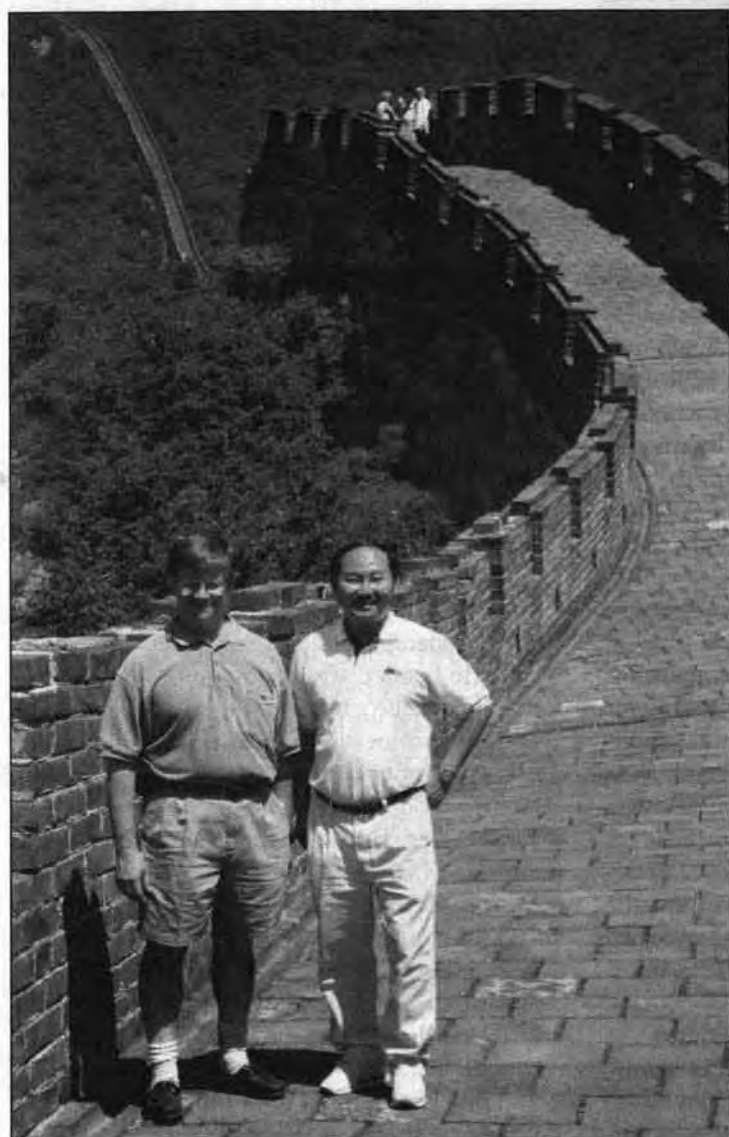
# Outlook

THE UNIVERSITY OF MARYLAND FACULTY AND STAFF WEEKLY NEWSPAPER  
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Fourth of July Fireworks,  
page 8

## Networking with China for the 21st Century



University CIO Don Riley and Bill Chang of the National Science Foundation at the Great Wall of China.

Building on established educational and research relationships with China, the university's Office of Information Technology is collaborating with leading research and education networking organizations in China to strengthen its Internet and networking capabilities.

China, the world's most populous country with one-fourth of the world's population, has 8.9 million Internet users. Internet use is soaring as political and economic reforms bring China into the world economy.

"Our goal is to build a partnership to encourage collaboration and scientific exchange," says Don Riley, associate vice president and chief information officer.

Riley recently returned from the second annual Chi-

nese American Networking Symposium, held May 26-28 in Beijing, China, and attended by more than 300 participants. Riley served as U.S. co-chair of the 12-member symposium committee.

The first such networking symposium, known as CANS, was held last year at the University of Maryland and was a landmark event. Conference sessions this year focused on advanced network initiatives and network development in the U.S. and China, high-speed network management, network security and the future of network development.

Also attending from the University of Maryland were Shuigen Xiao, network manager in the department of mathematics, and Jonathan

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Former Sen. Joseph Tydings, second from left, and his sister Eleanor Tydings Schapiro were joined by university and state officials at the recent dedication of the newly renovated lobby of Tydings Hall. See story, page 3.

## Summer Construction Projects Bring Plenty of Ouches to Campus

Recent construction projects have forced the closing of some campus roads and displacement of parking, but university officials say they are working to minimize the inconvenience to faculty, staff and students.

Work on the Comcast Center, a multi-million dollar indoor sports arena located in North Campus, began in May, and construction is just under way on a more than 100,000-square-foot addition to Van Munching Hall and new student dormitories in South Campus.

Since construction began on Comcast Center, scheduled to open in 2003, Regents Drive has been closed beginning just north of Parking Garage II, cutting off access to the tennis courts and playing fields behind the Health and Human Performance building. Paint Branch Drive, the main road connecting Uni-

versity Boulevard with the center of campus, will remain open throughout the construction process.

Students parking in Lot 4b near the arena site will be most affected by the project, according to David Allen, director of campus parking. That 825-space lot is located on the current construction site. Most of the parking lost will affect more than 500 freshman resident students, who will not be allowed to park on campus next year.

Parking in Lots 1c and 1f, located behind Van Munching Hall, also will be limited by work on the addition to the building, which will house 16 new classrooms and several business school offices, and construction of the J. William Fulbright International Center. Roughly 500 spaces will be eliminated by

**OUCH!**

that project, Allen says. Colonnade Drive, which connects Mowatt Drive with Preinkert Drive, is closed permanently. Van Munching Hall and the International Center are scheduled for completion in 2003.

All parking located between South Campus Dining Hall and Susquehanna Hall, mostly reserved for staff and faculty, will be

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"My guess, none of the fish are going to give a hoot about it. It would be no different than a kid playing a loud radio, and you might shift out of the way, but it won't stop you from where you are going." —*Arthur Popper, professor of biology and director, neuroscience and cognitive science program, commenting on the effects of high frequency sonar tests in the Delaware Bay, which some suggest could disrupt breeding and feeding patterns of dolphin and fish. (Atlantic City Press, May 27)*

"It remains to be seen if this will work. It hasn't even been agreed whether the author maintains the site or the publisher does." —*Stephen Brush, distinguished university professor of history and member of the Institute for Physical Science and Technology, discusses the brave new world of text book publishing, where bibliographies are maintained on the Internet to cut back on costs. (New York Times, May 29)*

"The lab has some really nasty stuff." —*Department of physics chair Jordan Goodman was asked what the Los Alamos National Laboratory housed as forest fires ringed it in May. Goodman was talking about a fenced-in plutonium plant and 50 to 60 fenced-in tech areas. (Philadelphia Inquirer, May 12)*

"How much they learn from each other, how they can work together and how they can prepare to work and prosper in our society is, of course, what this university is all about." —*President Dan Mote underlining the campus mission to encourage interaction between students of all races as part of the university mission. The comment came during a feature on de facto social segregation across the country by students in their social lives. (CNN, May 30)*

"I don't hand out packs of cigarettes and encourage people to smoke. I work with the growers...It's still a legal product." —*The expert in tobacco farming in the state is David Conrad, senior agent at the Central Maryland Research and Education Center. He was profiled in depth by the Baltimore Sun, May 31.*

"Using our kind of insight into what humans are all about to sell (something like) Pepto-Bismol, that is not what I was trained to do, and it is not what I should be doing. ...What I have been trained to do should not in any way be connected to capitalistic enterprise." —*Aubrey Williams, professor of anthropology, bluntly assesses the idea of advertising agencies hiring anthropologists to conduct scientific studies. (Baltimore Sun, May 28)*

"Destler said the office soon will be renamed the Office of Technology Commercialization 'in part because we wanted to take a much broader approach to commercializing technology' that includes offering more resources for startup and budding entrepreneurs." —*William Destler, vice president for research and dean of graduate studies, commenting on the name change of the Office of Technology Liaison to reflect university efforts to be more attuned to the needs of the marketplace in the revolutionary information technology age. (Washington Post, May 25)*

## In Memoriam

### George Weber, Former Physical Plant Director

George Oswald Weber, who supervised a dynamic period of the university's expansion, helped immortalize a diamondback terrapin as the campus mascot and as president of the class of 1933 made sure his most enduring friends reunited regularly, died May 22 at Prince George's Hospital Center. He was 88.

Weber had cancer, and died after a heart attack. He lived in College Park and Sarasota, Fla.

Whenever students rub Testudo's nose for good luck, they are linking themselves with Weber. His class raised the money to take a live diamondback terrapin on the train to a sculptor's studio in Providence, R.I., where it modeled for the bronze mascot statue permanently ensconced in front of McKeldin Library.

And every time members of the university community are in classrooms, dorms, libraries, the Student Union, Byrd Stadium, Cole Field House, the golf course or just use the roads and parking lots in between, they are partaking in Weber's campus legacy.

"If you want to see a monument to George Weber," says Harry Hasslinger, fellow class of '33 alumnus, "look at the University of Maryland."

When Weber in 1946 assumed his post as the university's director of physical plant, there were but 14 buildings on campus. By the time he retired 26 years later, there were 44 buildings. Two-hundred-thousand square feet of floor space had grown to more than 2 million square feet. Weber supervised the construction of Byrd Stadium, Cole Field House, nearly all the high-rise dorms, two libraries, additions to the student union, the golf course and a system of peripheral roads and parking lots to divert traffic from the center of campus.

Many of the policies and procedures Weber established at College Park became standard at other Maryland academic facilities. He also supervised construction of the Eastern Shore campus in Princess Anne.

Weber was born Jan. 29, 1912, in Oswego, N.Y. His family moved to Washington, D.C., a

year later. A 1929 graduate of McKinley Technical High School, he entered the University of Maryland at the height of the nation's Great Depression.

At the time, the university had no official mascot, but Weber and his classmates decided the diamondback terrapin was an apt symbol. "The terrapin is a steady individual, a unique individual," says Hasslinger. "It's slow, but it's slow and sure."

While in college, Weber was a member of the Sigma Chi fraternity and the Reserve Officer Training Corps. He served in the Army in Italy during World War II and commanded a police battalion of the D.C. National Guard's 29th Infantry Division, which served in the Korean War. He retired as a colonel in the Army Reserve in 1963. His military decorations included the Silver Star, two Bronze Stars and a Purple Heart. He was buried June 1 at Arlington National Cemetery.

Weber's first wife, Grace Coddington Weber, died in 1981. His second wife, Martha Welch Weber, died in 1995. Sons from Weber's first marriage, Robert Weber of Hyattsville and Jeffrey Weber of Annapolis, survive him, as do four grandchildren.

Weber was active with the National Association of Physical Plant Administrators and the Maryland Classified Employees Association. He headed the building committee for the Hyattsville chapter of the American Red Cross, volunteered with the Boy Scouts and was a member of the Kiwanis Club of Prince George's County, the Military Order of the World Wars and the Terrapin and M clubs. He attended Riverdale Presbyterian Church.

And he was the glue that kept the class of 1933 together. Every five years since their graduation, the classmates held a reunion. "No other class went on that long, and a lot of it was due to George Weber," says Hasslinger.

The class held its 65th reunion in 1998. It would be their last, because, says Hasslinger, "there aren't enough of us left to have another."

## Faculty IT Training

Learn to create classroom presentations, build webpages, use collaborative technologies, develop multi-media teaching tools, as well as understand instructional design principles as they relate to online environments at the Summer Institute for Instructional Technology. In addition, training in WebCT 3.0, the supported campus web-based course management tool will be provided.



One- to three-day modules sponsored by the Center for Teaching Excellence and the Office of Information Technology are scheduled throughout the summer.

The training is free to campus faculty, teaching assistants and instructional technology support personnel. Seating is limited and web-based preregistration is required at [www.inform.umd.edu/IIT/current.html](http://www.inform.umd.edu/IIT/current.html). Questions about course content can be directed to [oit-training@umail.umd.edu](mailto:oit-training@umail.umd.edu).

# Outlook

Outlook is the weekly faculty-staff newspaper serving the University of Maryland campus community. **Brodie Remington**, Vice President for University Relations; **Teresa Flannery**, Executive Director of University Communications and Director of Marketing; **George Cathcart**, Executive Editor; **Jennifer Hawes**, Editor; **Londa Scott Forté**, Assistant Editor; **David Abrams**, Graduate Assistant. Letters to the editor, story suggestions and campus information are welcome. Please submit all material two weeks before the Tuesday of publication. Send material to Editor, Outlook, 2101 Turner Hall, College Park, MD 20742. Telephone (301) 405-4629; e-mail [outlook@accmail.umd.edu](mailto:outlook@accmail.umd.edu); fax (301) 314-9344. Outlook can be found online at [www.inform.umd.edu/outlook/](http://www.inform.umd.edu/outlook/)



## Tydings Memorial Lobby Dedicated

The College of Behavioral and Social Sciences has honored Millard Tydings and his son Joseph Tydings, both former U.S. Senators, with memorials in the newly renovated lobby of Tydings Hall.

The Tydings Memorial Lobby, dedicated May 17, is part of a campus-wide lobby beautification program. The renovations were paid for by the College of Behavioral and Social Sciences, Facilities Management and the Tydings family. The lobby features a permanent exhibit of portraits, photos, historical documents, cartoons and other materials highlighting the contributions of the Tydings family.

Millard Tydings served in World War I, spent 24 years in the Senate and was regarded as one of the most powerful and outspoken leaders of the first half of the 20th century. He was the first chairman of the Senate Armed Services Committee and in 1950, chaired the committee that investigated—



Joining siblings Eleanor Tydings Schapiro and Joseph Tydings, above center, at the dedication were their spouses John Schapiro and Kate Clark Tydings.

Pictured left, are Pres. Dan Mote and Sen. Paul Sarbanes.

and exposed as baseless—Sen. Joseph McCarthy's infamous red-baiting. Tydings' boldness cost him his re-election later that year as McCarthy clandestinely directed the Senate campaign of Tydings' Republican opponent.

Tydings died in 1961 at age 70.

Like his father, Joseph Tydings served in the military, the Maryland General Assembly and the U.S. Senate. He was a member of the Board of Regents from 1975 to 1984, and for the past nine years has served on the university's Board of Visitors. Gov. Parris Glendening has again named him to the Board of Regents.



## Mote Named to Washington/Baltimore Regional 2012 Coalition

President Dan Mote has joined the group of Washington/Baltimore civic leaders, businesspeople and athletes who will oversee the region's bid to host the 2012 Olympic Games.

Mote joins former Baltimore Mayor Kurt Schmoke, former Olympian and current Orioles star B.J. Surhoff and 11 others on the Washington/Baltimore Regional 2012 Coalition.

Also elected to the board:

- C.E. Andrews, managing partner, mid-Atlantic region, Arthur Anderson.
- Barbara Bozzuto, event consultant
- Lillian Greene-Chamberlain, international physical fitness and sports consultant
- John Hendricks, founder, chairman and CEO of Discovery Communications, Inc.
- Freeman Hrabowski, president, University of Maryland, Baltimore County
- Bob Linowes, Linowes & Blocher
- Alan Merton, president, George Mason University
- Meredith Rainey Valmon, Olympic athlete and co-founder, Avenue Program
- John Richardson, Crispin & Bronner and chairman of DC Sports and Entertainment Commission
- Ken Rietz, COO of Worldwide, Burson-Marsteller
- Bennett Zier, executive vice president, AMFM, Inc.

The board, known as WBRC 2012, will prepare a bid proposal to be submitted to the United States Olympic Committee by Dec. 15. Other U.S. cities in the running are Cincinnati, Dallas, Houston, Los Angeles, New York, San Francisco and Tampa, Fla.

After studying each bid and sending representatives to visit each city, USOC will make its selection. That city will represent the United States in the pool of international candidates. The International Olympic Committee will choose the official 2012 host city in 2005.

Washington/Baltimore organizers hope to concentrate the Summer Games events in downtown Washington, D.C., Annapolis, Prince George's County and northern Virginia. Athletes would be housed at the University of Maryland, College Park.



## First-of-its-Kind Data Analysis Offers Insight into Homosexual Demographics

While homosexuals in the United States tend to be more highly educated than heterosexuals, lesbians are more likely to see their scholastic achievements translated into dollar signs.

A report by top economic and public policy scholars from the University of Maryland and the H. John Heinz School of Public Policy and Management at Carnegie Mellon University shows that gay men earn substantially less than their straight counterparts.

Lesbians, however, earn substantially more than married women, single women and heterosexually partnered women, says University of Maryland economist Seth Sanders, who with his colleagues Dan Black from Syracuse University and Gary Gates and Lowell Taylor of Carnegie Mellon, published the findings in the May issue of *Demography*, the journal of the Population Association of America.

"These women have the freedom to pursue their careers without the constraints of traditional marriages.

They can improve their position in the labor market, and they probably do this with the understanding that they will not be marrying into traditional households so they will need higher-paying occupations," says Sanders.

Sanders and his colleagues studied data from several national surveys, including the 1990 U.S. Census, the General Social Survey and the National Health and Social Life Survey.

"Demographically, this is a hard population to target and analyze. Data on sexual orientation is not as easily available as information on race, gender and age," says Sanders. "By cross-referencing huge amounts of data, we compiled a comprehensive set of statistics for this population that were consistent across survey data collected in very different ways."

The study shows that partnered gays and lesbians are particularly well-educated, holding a greater number of post-graduate degrees than heterosexuals.

The researchers attribute the income differences between gay and straight men to anti-gay sentiments in a workplace dominated by men in power positions. Another factor is that gay men appear to be less focused on gaining marketable skills than straight males, possibly because they acknowledge they won't have to support a household.

The study data also shows that gay men historically have served in the military at about the same rate as other men; however, since World War II, the fraction of gays in the military has decreased. In addition, gay men tend to spend fewer years in the service.

Conversely, military service is much more common for women in same-sex partnerships than heterosexual women. The researchers speculate that historically lesbians were not constrained by rules that prohibited married women from enlisting and discharged pregnant women.

According to the research, 22 percent of partnered lesbians and five percent of partnered gays have chil-

dren at home, approximately 70 percent of whom are under the age of 17. A significant percentage of those children are from previous marriages. In fact, nearly 20 percent of men in gay partnerships and 30 percent of women in lesbian partnerships have previously been married or are currently married.

"The idea that people in same-sex partnerships do not have the child-rearing responsibilities of other couples is just not true of lesbian couples," Sanders says.

When researchers looked at geography, they determined the concentration of homosexuals was highest in Ft. Lauderdale, Seattle, Los Angeles, San Diego, Washington, D.C., and Atlanta. San Francisco has a much higher concentration of gays than any other U.S. city.

Sanders states that continuing analysis of new data sets, including the 2000 Census, will present an even clearer demographic picture of homosexuals.



# dateline maryland

Your Guide to University Events for June

## June 20

4:30-7:30 p.m. OIT Workshop: "Introduction to HTML," introduces the Hypertext Markup Language used to create web pages on the World Wide Web. Concepts covered include how to format text, create lists, links and anchors, and adding inline images. Prerequisite: Introduction to Unix or three months equivalent experience, FTP, and a WAM account. Registration required. 4404 Computer & Space Sciences Bldg. 405-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.\*

## June 21

6-8 p.m. OIT Workshop: "Netscape Page Composer," introduces Netscape's page editing and development tool. Learn to create simple page elements such as hyperlinks, colors, font styles, bullets and tables—without typing a single line of HTML code. Prerequisite: simple web browsing skills. Registration required. 4404 Computer & Space Sciences Bldg. 405-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.\*

## June 26

6-9 p.m. OIT Workshop: "Introduction to Adobe Photoshop," introduces the industry benchmark graphic manipulation package for creating professional quality graphics. Concepts covered: layers, image vs screen resolution, color correction, image filters, and the Tools palette. Prerequisite: Introduction to HTML and Introduction to Windows 95 or equivalent experience in a windows environment. Registration required. 4404 Computer & Space Sciences Bldg. 405-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.\*

## June 27

4:30-7:30 p.m. OIT Workshop: "Intermediate HTML," introduces more features of HTML. Concepts covered include tag attributes, tables, internal document links, custom backgrounds, and text colors. Some new tags will be introduced from the HTML 3.2 standards will also be discussed. Prerequisite: Introduction to HTML and a WAM account. Registration required. 4404 Computer & Space Sciences Bldg. 405-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.\*

## June 30

1-4 p.m. OIT Workshop: "Introduction to Microsoft Excel," introduces spreadsheet basics and maneuvering around MSE. Concepts covered include how to enter values and text, create formulas, autosave, cell addressing in absolute and relative modes, use functions, links between data, customizing printing and more. Prerequisite: Introduction to Windows 95 or equivalent experience. Registration required. 4404 Computer & Space Sciences Bldg. 405-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.\*

## Calendar Guide

Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314- or 405-. Events are free and open to the public unless noted by an asterisk (\*). Calendar information for Outlook is compiled from a combination of Inform's master calendar and submissions to the Outlook office. To reach the calendar editor, call 405-7615 or e-mail to outlook@accmail.umd.edu.

## Student Unveils Healing Herbal Plant Mystery

Class of 2000 graduate Brian Higgins helped uncover the microbiology mystery behind the healing power of an herbal plant used for centuries in traditional Chinese medicine.

Higgins, a cell biology and molecular genetics major, spent most of his college career testing the six antibacterial compounds of the root extract, known as Rubricine, from the herbal plant *Arnebia euchroma*. He found the compounds of the plant have developed a combination strategy, or synergy, in fighting antibiotic resistant bacteria.

The strategy of the plant is much like that of a traditional Chinese medicine herbalist who combines various herbs to enhance the activity of a principle active ingredient in treating a condition.

"Some herbalists mixed this root with a sort of 'Vaseline' to treat cuts and noticed an infection would not follow, but they did not understand the chemistry behind it," Higgins says. "We're one of the first to look at it on a more microscopic scale."

As a Howard Hughes Medical Institute fellow, Higgins worked closely with Spencer Benson, associate professor of cell biology and molecular genetics and Yuan Lin, president of Marco Polo Technologies, a "green pharmaceuticals" company.

Traditional Western medicine is unlike the combined strategy of Eastern medicine because it identifies single "magic bullet" drugs used only for a specific disease or symptom, Benson says.

"A combined strategy is better than two different drugs," he adds. "This research is a folding of Eastern medicine and Western technology. It can possibly create a different strategy for pharmaceutical companies to use a combinatorial approach."

Root extracts of the herbal plant, traced back in use for more than 3,000 years, have been used as a topical wound agent in Asia and Europe to treat cuts, burns, bruises and other skin-related conditions.

While testing the plant in its natural environment, Higgins noticed the plant produced a combination of compounds, rather than an increased amount of a single compound. Each of the compounds individually possess antimicrobial activity, but not all are equally effective as single agents. The added advantage of this kind of synergy among the compounds is what makes it successful in combating microbes.

"I fell in love with this project, working many hours on getting results no one has ever seen before. Its definite synergy shows a possible new way to attack bacteria, especially since our compound worked well against known antibiotic-resistant bacteria," says Higgins.

Higgins' research earned him the P.Arne Hansen Award for the most outstanding graduating senior thesis in the cell biology and molecular genetics department.

As one of the leading student researchers on this project, Higgins is continuing his work this summer until he leaves for graduate school at the University of Georgia and further study in microbiology.

**"I fell in love with this project, working many hours on getting results no one has ever seen before. Its definite synergy shows a possible new way to attack bacteria, especially since our compound worked well against known antibiotic resistant bacteria."**

— Brian Higgins

## Shuttle-UM Announces Expanded Commuter Service for Summer 2000

Shuttle-UM, the university's student-operated transit system, has increased commuter service for the summer 2000 sessions.

The Shuttle-UM routes Adelphi South, Greenbelt and Park and Ride have been added to the existing summer routes Adelphi North, Rhode Island Avenue, Springhill Lake and Queens Chapel. These routes operate each weekday during the summer sessions except July 4.

Shuttle-UM also is providing evening security service seven nights a week during the summer sessions with the Summer Circuit route and Call-A-Ride, an on-demand service provided in the evenings to supplement the Summer Circuit route. Service to the College Park Metro Station is provided every weekday the university is open by the College Park Metro Sta-

tion route, and seven nights a week by the Summer Circuit route when summer classes are in session.



In addition, Shuttle-UM will provide paratransit service for students, faculty and staff with special mobility needs. Shuttle-UM paratransit service operates each weekday during the summer sessions except July 4.

Shuttle-UM commuter routes require a current University of Maryland ID to board.

Schedules are available at www.umd.edu/shuttle and print versions are available at selected sites throughout campus. The Office of Summer Programs

provides funding for Shuttle-UM summer commuter service. For more information, call Shuttle-UM at 314-2255 or 314-7269.



## Senior University Offers Lifelong Learning, Activities and Events

Heading for the beach may be the ideal career move for retiring faculty and staff, but staying connected to campus life is still important for many Maryland retirees. University of Maryland Senior University helps retirees like Virginia Beauchamp, professor emerita of English, remain an active member in the Maryland family.

"Upon retirement, a retiree may initially feel disconnected, but Senior University helps bridge the gap and offers the very same kind of intellectual interests that hooked us in the beginning of our careers," says Beauchamp.

As part of the peer-led learning community, Beauchamp is one of the members who often leads discussions related to literature and women's studies. Beyond educational pursuits, cultural events and health classes are among the many activities offered.

Susan Nippes, who retired a year ago as an administrative assistant, has found Senior University to offer more than just academics.

"It's like meeting with a group of friends, yet I'm continuously learning and getting challenged from our discussions," says Nippes.

According to Laura Wilson, chair of health education and director of Center on Aging, productive and meaningful activity for older Americans is becoming increasingly important.

"Although there is still much to learn about the long-term impact of these activities on mental and health status, it is evident that continued formal and informal learning and interaction have a positive impact on older persons," says Wilson.



Larry Warren, Virginia Beauchamp, Susan Nippes and Martha Patton are all retired faculty and staff members of the university who participate in Senior University.

Senior University classes foster building relationships among fellow seniors. A few computer classes also have enabled Larry Warren, professor emeritus of dance, to stay in touch with his nieces and nephews.

"I don't want to miss out on what's going on with my family on the West Coast. With the advent of computers, I think they forgot how to use the postage stamp," says Warren.

Senior University does not administer exams, term papers or require any formal degrees. It has operated since 1998 under Maryland's Center

on Aging and the Office of Continuing and Extended Education. For a nominal membership fee, retired persons age 50 and over can join Senior University and engage in many volunteer activities. The program plans to institute a Senior Leadership Maryland program that will provide leadership training and opportunities to volunteer with Maryland legislative, government and community agency offices, and will offer an international senior volunteer exchange program.

"As the percentage of the population over the age of 55 continues to

grow, there is an important role for our campus to meet the needs of Marylanders throughout their life span. It is important to engage our excellent faculty and staff as they retire so the considerable talents and energies of these individuals will not be lost to the university," says Wilson.

For more information about University of Maryland Senior University, go to: [www.inform.umd.edu/HLHP/AGING/SRU](http://www.inform.umd.edu/HLHP/AGING/SRU) or call 403-4467.

— TIA MASON

## Chesapeake Bay Watershed to Benefit From New Landsat 7 Land Cover Maps

Smarter land use planning and better estimates of polluted water runoff across the 64,000-square-mile Chesapeake Bay watershed are now possible thanks to new land cover maps being produced at the University of Maryland.

These maps, generated by overlaying images from NASA's Landsat 7, will provide a more precise assessment of the presence and amount of different land cover types including residential development, wetlands, forests and crop lands.

Scott Goetz and Stephen Prince of the department of geography are manager and director, respectively, of the Mid-Atlantic Regional Earth Science Applications Center. Their map-generating system uses RESAC field data, classification software and multiple Landsat 7 images taken during different seasons of a year.

"This type of precise land cover

classification has not been done before for such an extensive region," says Goetz. "The new maps can distinguish low-density from high-density residential development and crop land from pasture land, as well as wetlands and different types of forest."

The Mid-Atlantic RESAC at Maryland is one of seven such regional centers created by NASA in February 1999. The Mid-Atlantic center provides improved land cover mapping and ecological modeling capabilities for a diverse consortium of partners in government, academia, industry and community and environmental organizations.

Local and regional planning agencies in the Washington, D.C., area are currently working with RESAC on the first Landsat 7 maps, which are centered on the nation's capital and the surrounding counties in Mary-

land and Virginia. The Maryland Office of Planning has said it will use the maps in the state's new "smart growth" initiative, while the parks commission in Montgomery County plans to assess its park forests.

The new land-cover classifications also will help improve estimates of polluted water runoff flowing into the Chesapeake Bay by precisely identifying pasture land and different types of crops. This will allow more accurate estimates of the total amount of crop land around the Bay and the acreage in various crops.

Scientists calculate the total amount of nutrient pollution entering the Bay by measuring the acreage of a certain type of land cover and estimating the average water quality of runoff from that type of land. Heavily fertilized agricultural fields, for example, produce

higher levels of nutrients in runoff than the same acreage of pasture land.

Instead of producing one general land cover set of classifications, RESAC develops customized land cover products from a database of remote-sensing observations. Maps of the entire Chesapeake Bay watershed which require 16 different Landsat 7 scenes acquired up to six different times in a year should be completed by early next year.

Other innovative products the Mid-Atlantic RESAC is producing include maps of roads, parking lots and other impervious surfaces using new high-resolution satellite imagery and improved features of the Landsat 7 instrument. Mapping the extent of these surfaces can be used to estimate damage to stream banks from storm runoff.



## General Research Board 2000-2001 Research Support Awards

COLLEGE OF ARTS & HUMANITIES  
*Art History & Archaeology*  
Jason Kuo, "Visual Culture in Shanghai, 1850s-1930s."

### English

David Norbrook, "The Life and Works of Lucy Hutchinson."

### French and Italian

Pierre Verdaguer, "La Séduction policière: Signes de croissance d'un genre réputé mineur (Detective Fiction and its Attraction: Signs of Maturity in a Genre of Ill-repute)."

### History

Daryle Williams, "Culture Wars in Brazil: The First Vargas Regime, 1930-1945."

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

*Natural Resource Sciences and Landscape Architecture*  
Robert Kratochvil, "Seeding Rate Studies for Agronomic Crops Produced in Mary-

land: A New Look for Precision Farming."

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

### Psychology

Robert Ployhart, "Understanding the Determinants, Correlates, and Consequences of Subgroup Differences in Test Perceptions."

COLLEGE OF EDUCATION

### Human Development

Melanie Killen "Children's and Adolescents' Judgements about Exclusion and Rights in Different Contexts."

A. JAMES CLARK SCHOOL OF ENGINEERING

### Chemical Engineering

Sheryl Ehrman, "A Gas Phase Process for Production of Porous Films."

HEALTH & HUMAN PERFORMANCE

### Family Studies

Bonnie Braun, "Tracking the Well-Being of Rural Low

Income Families in the Context of Welfare Reform."

GRB Distinguished Faculty Research Fellowship 2000-2001

COLLEGE OF ARTS & HUMANITIES

### History

James Gilbert, "Men in the Middle"

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

### Economics

William Evans, "Quasi Experiments in Health and Environmental Economics."

COLLEGE OF LIFE SCIENCES

### Cell Biology & Molecular Genetics

Stephen Wolniak, "Development of the Blepharoplast and the de novo Formation of Basal Bodies during Spermiogenesis in *Marsilea*."

## Construction Projects Bring Ouches to Campus

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unavailable during construction of new South Campus dormitories. Student parking in Lot 1 also will also be limited, as faculty and staff displaced by the construction are relocated there.

According to Allen, everyone will find a place to park who needs it. "Freshman, sophomore, junior and senior commuters will have the space they need, and we will make our assignments on the same types of ratios," he says. "We're not going to try to cram more people into the same number of spaces."

Maintaining staff and faculty parking, however, is the number one priority. "Whenever there are losses, it's a loss in student parking rather than faculty and staff parking," Allen says.

Facilities management is asking for patience from students, faculty and staff as these projects go forward.

"The next several years,

without question, are going to be difficult as all the construction that is scheduled to take place starts to break ground," says Jack Baker, director of operations and maintenance in facilities management. "We meet regularly with the police, with campus parking—with all of the organizations on campus that provide services to students and staff—to ensure that impact is minimized."

The university will spend

new engineering building and an addition to the chemistry building, as well as continued remodeling of Stamp Student Union.

There are also plans to replace parking spaces removed to accommodate the new facilities. The university will add two new parking garages: "PG4" and "PG5." PG4 will be added to North Campus in 2001, providing 1,000 spaces for commuters and resident students displaced from existing parking lots. PG5, or

South Campus Parking Garage, will be located on Mowatt Lane, adjacent to Van Munching Hall, and will house 700 parking spaces. PG5 is scheduled to open in 2003.

University officials acknowledge the inconvenience of the construction,

but Baker says the work will pay off. "Certainly in the long-term, yes, it will be worth it," Baker said. "The amount of new facilities will pay huge dividends for the campus and for those people who will be using it."

—DAVID ABRAMS

**OUCH!**

All of the latest information on campus parking and road closings can be accessed via the campus Web site, at [www.inform.umd.edu/Ouch](http://www.inform.umd.edu/Ouch).

\$100 million this year alone on capital improvements. Due to the heavy volume of construction, Sverdrup Corporation, a private management company that provides construction and technical services, has been hired to assist in the coordination of campus projects. Other upcoming projects include a

## Former Lacrosse Coach John Howard Retires at the Top of His Class

John Howard, English professor and former head coach of the men's lacrosse team, recently said goodbye to the school he's been a part of for more than four decades. Howard, who studied, taught and coached at the university most of his life, retired at the end of the 2000 spring semester.

As head coach of the men's lacrosse team from 1966-69, he led the Terps to a co-national championship in 1968 (with Johns Hopkins), as well as three ACC championships (1967-69). In addition, he amassed a 32-7-1 record, and lost only one ACC game in his four seasons as head coach.

Howard attended Washington College for his undergraduate studies before earning his master's degree in 1962 and his doctorate in 1967, both from the University of Maryland. While working toward his Ph.D., Howard began his teaching career in the English department, serving as an instructor from 1964-67. He became assistant professor in 1967, associate professor in 1971, and ultimately a professor in 1987.

Howard coached 25 players to All-America status, 14 of them during his four-year stint as head coach. He also coached four of Maryland's top-10 all-time leading scorers: Ray Altman (2nd, 1961-63), Roger Gross (6th, 1958-60), Jack Kaestner (9th, 1969-72) and Jack Heim (10th, 1965-67).

Howard has the all-time best winning percentage (.813) of any Maryland lacrosse head coach with at least 30 victories, and the second-best ACC winning percentage (.889) among such coaches.

At the conclusion of the 1969 season, Howard turned his attention toward his teaching career. He assumed the role of associate chairman of the English Department from 1969-72, then again from 1977-79. He also served as the director of graduate studies from 1987-90, and was acting chairman of the English department from 1979-80. Recently, Howard has lectured on poetry and romanticism for the College Park Scholars program.

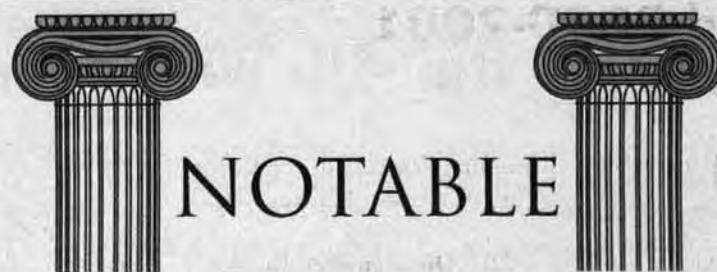
"John Howard is a Terrapin for life," says current Maryland men's lacrosse head coach Dick Edell. "He did many great things for the program and continued to have the team play at a high level of lacrosse established under coaches Faber and Heagy."

—DAN ROSSO



James MacGregor Burns (right), Pulitzer Prize-winning historian and senior scholar at the Academy of Leadership, met recently with Lee Hamilton, director of the Woodrow Wilson International Center for Scholars, prior to giving a major address for the Wilson Center's Director's Forum. For a summary of Burns's remarks, also published by the *Washington Post*, go to [www.academy.umd.edu/AboutUs/news/articles/5-14-00.htm](http://www.academy.umd.edu/AboutUs/news/articles/5-14-00.htm).





**Lisa Aspinwall**, associate professor of psychology, was chosen as one of four recipients of the John Marks Templeton Positive Psychology Prize, one of the largest monetary prizes ever awarded in the field of psychology. Her \$50,000, second-place award recognizes her research which builds on earlier findings that optimists tend to be resilient, successful people, and explains why optimists tend to do well.

Her findings show optimists differ from others in the way they process information about themselves. Contrary to popular belief, optimists do not ignore negative information but use it to change their strategy or improve their performance, thus increasing their likelihood for success.

Aspinwall's research also has shown that as the situational risk increases, optimists seem to recall better and pay more attention to risk-relevant information. As a result, optimists tend to persist when perseverance is likely to pay off, but also know when to quit when the outcome is out of their control or inevitable.

Computer science professor **Victor Basili** is the recipient of the 2000 SIGSOFT Outstanding Research Award. The award is presented to an individual who has made significant and lasting research contributions to the theory or practice of software engineering.

**Fred Feinstein**, former general counsel of the National Labor Relations Board (NLRB) has joined the faculty of the School of Public Affairs as a senior fellow and visiting professor in the Office of Executive Programs. He will conduct research, write on labor issues and develop executive education programs on such subjects as the challenge of adapting labor policy to new work environments.

During his nearly six-year tenure as NLRB general counsel, Feinstein was recognized for efforts to improve the administration of the National Labor Relations Act. He instituted a system for case prioritization and made significant progress in assuring consistency in the timely conduct of elections for union representation. He received three "Hammer Awards" for these and other innovations in the operations of the Office of General Counsel.

Before his appointment by President Clinton in 1994, Feinstein served for 17 years as chief labor counsel and staff director of the U.S. House of Representatives Labor-Management Relations Subcommittee. He was lead staff on the Family and Medical Leave Act, the Worker Adjustment and Retraining Notification Act and several efforts to amend the NLRA.

**Wendell Hill**, professor in the Institute for Physical Science and Technology, has been elected a fellow of the American Physical Society for significant experimental

contributions to understanding of multiphoton dissociation and ionization of small molecules.

**Glenn Mason**, professor of physics, received a Professional Achievement Citation at the University of Chicago's graduation ceremonies on June 3. The citation honors those alumni whose achievements in their vocational fields have brought distinction to themselves, credit to the university and real benefit to their communities.

**Charles Misner**, professor of physics, and **John Weeks**, professor in the Institute for Physical Science and Technology, have been elected fellows of the American Academy of Arts and Sciences.

**Rabindra Mohapatra**, professor of physics, is this year's recipient of the American Chapter of Indian Physics Association's Distinguished Scientist Award. The award is in recognition of Mohapatra's outstanding contributions to particle physics, particularly on neutrino masses and left-right symmetric models with spontaneous violation parity.

Following **Manouchehr Mokhtari's** recent successful experience helping with fiscal reform in the Russian Federation, he has been invited to serve as the senior adviser to the Parliament of Kazakhstan that intends to reform its tax code shortly. During the 1998-1999 academic year, economist Mokhtari,

associate professor of family studies, served as the team leader for the USAID Fiscal Reform Project in the Russian Federation—a \$20 million project aimed at overhauling the Russian tax system and helping its economy toward a sustainable growth path. During the same period, Mokhtari also was senior research associate in the Andrew Young School of Policy Studies at Georgia State University, which was actively involved in reforming the Russian tax system.

As the team leader for the Economic Analysis Group, Mokhtari worked with key members of the Russian government and the Duma to conduct relevant policy analysis and reform the Russian Federation's tax code. As part of the U.S. Government Technical Assistant (USGTA) team, Mokhtari successfully provided the much-needed fiscal reform assistance to the Russian government.

**Ed Schmahl**, professor of astronomy, received a Group Achievement Award for Outstanding Teamwork as part of the High Energy Solar Spectroscopic Imager (HESSI) Imaging Hardware Team at Goddard Spaceflight Center.

**Marvin Zelkowitz**, computer science professor, is the recipient of the 2000 SIGSOFT Distinguished Service Award, presented to an individual who has contributed dedicated and important service to the software engineering community.

## Networking with China for the 21st Century

*continued from page 1*

Wilkenfeld, professor and chair, government and politics department.

"It was a wonderful opportunity to share our expertise in networking and infrastructure," says Riley. "Maryland was an early leader in networking and infrastructure, and we are playing a leading role today in several national and regional net initiatives."

These include the Internet2, Mid-Atlantic Crossroads and the Next Generation Internet Exchange for the east coast. "While I think our Chinese colleagues are now playing catch-up, I think it won't be long before they are beyond that phase." By 2010, some experts predict Internet usage in China will be greater than in the United States.

As a result of a memorandum of understanding signed during the meeting, China became an Internet2 international partner, joining 31 others in the international research and education community. The agreement that was signed between the University Corporation for Advanced Internet

Development and three China research networks—CERNet, CSTNet, and NSFCnet—will help strengthen China's network infrastructure. The National Science Foundation provides partial funding to assist in providing improved networking connections between international research networks and the United States.

As a founding member of Internet2, Maryland is pleased to welcome China as a new partner and will work closely with that country to improve its infrastructure. Internet2 is a consortium of more than 170 universities working in partnership with industry and government to develop and deploy advanced network applications and technologies, accelerating the creation of tomorrow's Internet.

The University Corporation for Advanced Internet Development is a not-for-profit corporation created as part of the Internet 2 initiative and is engaged in advancing networking technology applications for the research and education community. For more information on UCAID and Internet2, see [www.internet2.edu](http://www.internet2.edu).

"China's infrastructure now rests largely on several low bandwidth lines across the ocean," says

Riley. "While Internet2 started out primarily as a U.S. research university initiative, one goal was to somehow promote and stimulate the development of similar high-speed research network capacity in other countries. This agreement just signed will help China do that."

Signing the memorandum of understanding with UCAID were Baoping Yan of CSTNet, Jian Ping Wu of CERNet, and Zhiyong Liu of National Science Foundation of China on behalf of NSFC-Net. Yan was also co-chair with Riley of the CANS 2000 symposium committee. The Chinese Academy of Sciences hosted the event.

Since 1979, more than 400 Chinese students and visiting scholars each year have studied and conducted research at Maryland. "From my perspective, CANS is another dimension of the university's strong relationship with China," says Riley. "We're trying to create an environment where there are no barriers to collaboration and exchange of research information."

—DENISE ELIZABETH LEE



## College Park to Celebrate the 4th with a Bang

The University of Maryland and the City of College Park will jointly host a Fourth of July celebration for area residents. The celebration takes place in Lot 1 A on July 4 and includes a concert and fireworks display. The concert, featuring the band Redstone playing oldies, classic rock, country and big band, formally begins the festivities at 7 p.m. Concessions open at 5 p.m. offering hamburgers, hot dogs, funnel cakes, soda and bottled water.

The fireworks, which will be set off from the front lawn of the university president's house, will follow the concert after dark around 9:15 p.m. Over 35,000 people are expected to attend the event this year, so University Police make the following recommendations:

- Use either the Campus Drive entrance from U.S. Route 1, or the Stadium Drive entrance from Route 193. Follow police directions to parking.

- Arrive early. Heavy traffic is expected to begin around 7:30 p.m. Late cars will be directed to park in outlying lots, which will offer free parking, but shuttle services will not

be available.

- Disabled visitors are encouraged to arrive early as disabled parking is limited in Lot AA.

- The best routes to exit campus will be the main Campus Drive gate onto Route 1, or Stadium Drive to Route 193.

- Alcohol and personal fireworks are prohibited on campus. University Police advise residents to bring some food and water, despite available concessions.

In the event of rain, the fireworks display will be held on July 5 at the same time, but there will not be a concert. If the weather is questionable, residents can call 405-3555. The decision to postpone will be made by 5:30 p.m. In the past, fireworks have been held in the rain.



## for your interest

events • lectures • seminars • awards • etc.

### Humphrey Hosts Expected

The Hubert H. Humphrey Fellowship Program, housed in the College of Journalism and funded by the U.S. Department of State, is looking for hosts for 12 international fellows who will be spending the next academic year at the university.

Hosts are expected to pick up the fellows from the airport on Saturday, Aug. 12 and to accompany them until the evening of Sunday, Aug. 13. The idea is to give them some exposure to American families and communities.

This year's group consists of seven women and five men who are mid-career journalists or professionals in public policy and administration. They are from Congo, Tanzania, Nigeria, Israel, Malawi, Colombia, El Salvador, Nepal, Liberia, Slovenia, Morocco and Albania.

Those interested in hosting a fellow please contact Kalyani Chadha at 405-2513 or kchadha@jmail.umd.edu; Bill Eaton at 405-2415 or beaton@jmail.umd.edu.

### Modem Pool Changes

OIT Networking and Telecommunications Services has replaced the 28.8 Kbps campus-only modem pool with a new 56Kbps pool. The campus-only service is intended for those users who need to access campus network resources, but do not require access to the Internet. The new telephone number is (301) 209-

1751. The old number, (301) 403-4333 has been taken out of service. More information can be found at <http://noc.umd.edu/Dialup>.

### Maryland Room Closed

The Maryland Room in Marie Mount Hall is closed for renovations. It is scheduled to reopen the second week of October. For more information, call Mary Giles at 405-6814.

### Summer Hours for OIT User Services

Office of Information Technology service hours are 8 a.m. to 5 p.m., through Friday, August 25, for the OIT Help Desk (walk-in, dial-in and consult-by-mail services), Information Technology Library and Laser Print Cost Recovery service, all located in room 1400 Computer and Space Sciences Building.

Normal hours (8 a.m. to 6 p.m.) will resume with the start of the Fall semester on Monday, Aug. 28. Questions should be directed to the OIT Help Desk at 405-1500 or by electronic mail to [helpdesk@umail.umd.edu](mailto:helpdesk@umail.umd.edu).

### Deduct Your Fitness

Faculty and staff now have the option to obtain a Campus Recreation Services membership through the use of payroll deduction. When you use payroll deduction you are purchasing a continuous right to use the award-winning Campus Recreation Center and

Ritchie Coliseum. Your membership lasts as long as you remain a university employee or decide to cancel. Once you sign up, you will never have to renew.

For 26-pay employees, the cost is \$6 per pay period. For 21-pay employees, the cost is \$7.43 per pay period.

To enroll, bring your most recent paystub as well as your faculty/staff ID card to the Member Services Desk located in the main lobby of the Campus Recreation Center. The desk is open Monday-Friday from 8 a.m. to 9 p.m., Saturday, 8 a.m. to 8 p.m., and Sunday 10 a.m. to 8 p.m.

Contact Laura Sutter at 405-7529 for more information.

### Faculty/Staff Walk-in Computer Tutoring

The Division of Administrative Affairs sponsors faculty/staff walk-in tutoring designed to help faculty and staff learn and practice computer skills related to the Internet, Windows operating system and Microsoft Office software. Bring specific questions related to these products or use the CD-ROM-based training available during this time.

Walk-in tutoring is held every Wednesday, 8:30 a.m. to noon, in room 0121, Main Administration Building. To schedule an appointment call 405-4603.

### IT Information and Ice Cream

The Office of Continuing and Extended Education is sponsoring an informal information session highlighting two new Information Technology certification courses Wednesday, June 21, from noon to 1 p.m. in the Visitor Center Auditorium (Turner Building/Dairy). The courses—Windows NT 4.0 MCSE Certification and A+ Certification—will be held evenings and Saturdays on campus.

The information session is limited

to 50 participants, all of whom will receive free ice cream from the dairy (any flavor). There is no charge to attend.

For more information, contact Ken Carter at [kjcarter@deans.umd.edu](mailto:kjcarter@deans.umd.edu) or 405-6296.

### Electronic Workplace Readiness Training

The Division of Administrative Affairs is offering classes designed to prepare campus staff for the Electronic Workplace. These three-and-one-half-hour classes are led by industry professionals and will focus on developing the basic Windows and Netscape browsing skills that are essential for the Electronic Workplace.

The cost is \$50, payable to the Office of Information Technology via an ISR, which can be brought to the class. All classes are held at the Patapsco Computer Training Facility. The next classes are being offered on Thursday, June 22, from 8:30 a.m.-noon, and 1-4:30 p.m.

For more information contact Laura Davison at 405-4603, or register on the web at [www.bpr.umd.edu](http://www.bpr.umd.edu).

### Put Back Your Lazy Days

Are you having trouble finding the time to enjoy the warmth and fun of summer? On Wednesday, June 21, a Wellness Brown Bag Lunch session titled "Putting Lazy Days Back into Your Summer" will discuss time management and how to fit in all your summer activities. This program will take place at the Center for Health and Wellbeing, room 0121 of the Campus Recreation Center from noon to 1 p.m. You do not have to be a member of the CRC to attend.

This program is free. For more information, e-mail [treger@health.umd.edu](mailto:treger@health.umd.edu) or call 314-1493.